

Title (en)
HOUSING STRUCTURED FOR FLAT RESISTANCE

Title (de)
GEHÄUSE STRUKTURIERT FÜR FLACHEN WIDERSTAND

Title (fr)
BOÎTIER STRUCTURÉ POUR UNE RÉSISTANCE PLANE

Publication
EP 3511955 B1 20210127 (EN)

Application
EP 17848108 A 20170905

Priority
• CN 201621043000 U 20160907
• CN 2017100451 W 20170905

Abstract (en)
[origin: EP3511955A1] A housing structure of a planar resistor is provided, wherein electrode extraction ends (4) of the planar resistor are on the same side of the resistor. A housing structure body (1) is made of an insulating material covering the surface of the resistor. An insulating structure (3) having a groove opening facing toward or away from the resistor is provided around each electrode extraction end (4) of the resistor. The insulating structure (3) is configured to be a multi-tooth or multi-groove insulating structure. Compared with the prior art, a structure having teeth or slots increases the surface creepage distance of an insulating material between two electrodes. Since the electrodes are mounted toward different directions, and a multi-groove opening is designed to face inward or outward, dust and dirt can hardly enter the resistor, so that the operating reliability and maintenance-free property of the resistor are improved.

IPC 8 full level
H01C 1/02 (2006.01); **H01C 1/022** (2006.01); **H01C 1/14** (2006.01)

CPC (source: EP KR RU US)
H01C 1/02 (2013.01 - EP KR RU US); **H01C 1/022** (2013.01 - EP RU US); **H01C 1/14** (2013.01 - EP KR RU US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3511955 A1 20190717; EP 3511955 A4 20190821; EP 3511955 B1 20210127; BR 112019004334 A2 20190813; CA 3035586 A1 20180315; CA 3035586 C 20210706; CN 206059059 U 20170329; JP 2019530221 A 20191017; JP 6792063 B2 20201125; KR 102153244 B1 20200907; KR 20190032591 A 20190327; RU 2709794 C1 20191220; US 10636548 B2 20200428; US 2019259513 A1 20190822; WO 2018045935 A1 20180315

DOCDB simple family (application)
EP 17848108 A 20170905; BR 112019004334 A 20170905; CA 3035586 A 20170905; CN 201621043000 U 20160907; CN 2017100451 W 20170905; JP 2019512810 A 20170905; KR 20197006667 A 20170905; RU 2019107767 A 20170905; US 201716331134 A 20170905